

RailXplore APM



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The digital performance twin for trackside signaling assets. Access live data of your assets 24/7 and benefit from build-in data analytics to maximize the efficiency, reliability, and availability of your system.

RailXplore APM (Asset Performance Monitoring)



Product Description

To remain competitive in the future, rail operators need to make the most of their assets, and thus have clear visibility of their condition. **RailXplore APM** provides rail operators and maintainers prompt and

RailXplore APM application

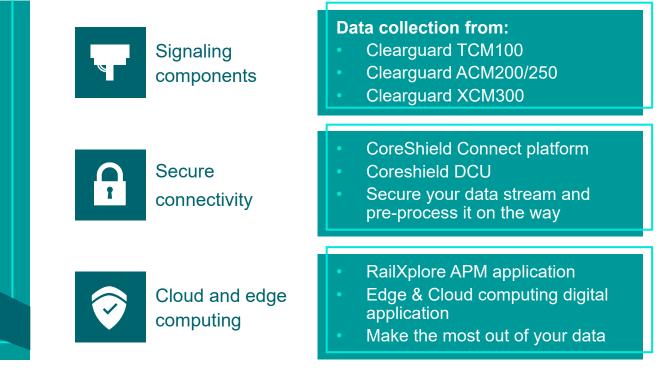
User-friendly diagnostics

- 24/7 real-time access to data and alerting of incidents and events
- ✓ Assets life-cycle information
- Advanced data analytics
- Ensure secure and safe data access

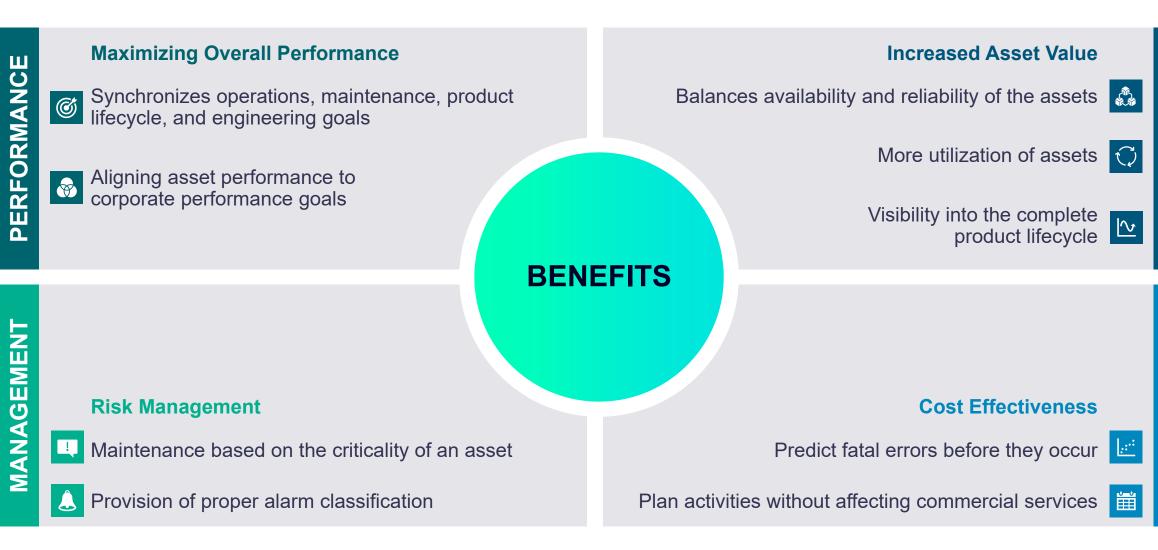


precise information about assets' health status to support everyday decisions. The solution is designed to manage core signaling trackside assets and maximize the performance of rail infrastructure operations.

RailXplore APM integrates next-generation technologies to enable an end-to-end asset monitoring system:



Benefits of RailXplore APM



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ASSETS

COSTS

Key Functionalities

Asset Health Status

- Status of the complete system
- Boosting the operations and maintenance decision-making
- Ease the operator and maintenance communication
- Remote monitoring of asset conditions

Device Analytics

- Ensure fast root cause and troubleshooting process
- Reduce the mean-time-torepair
- Facilitate the record analysis and patterns
- Automate root cause analysis

Maintenance Alarms

- Prioritized maintenance alarms
- Ease the corrective maintenance
- Out-of-the-norm alarms detection
- Reduce on-site track inspections



Key Functionalities

Dynamic Map

- Location and accessibility
- Asset health status at a glance
- Asset information at any time and place
- Optimizing the troubleshooting planification



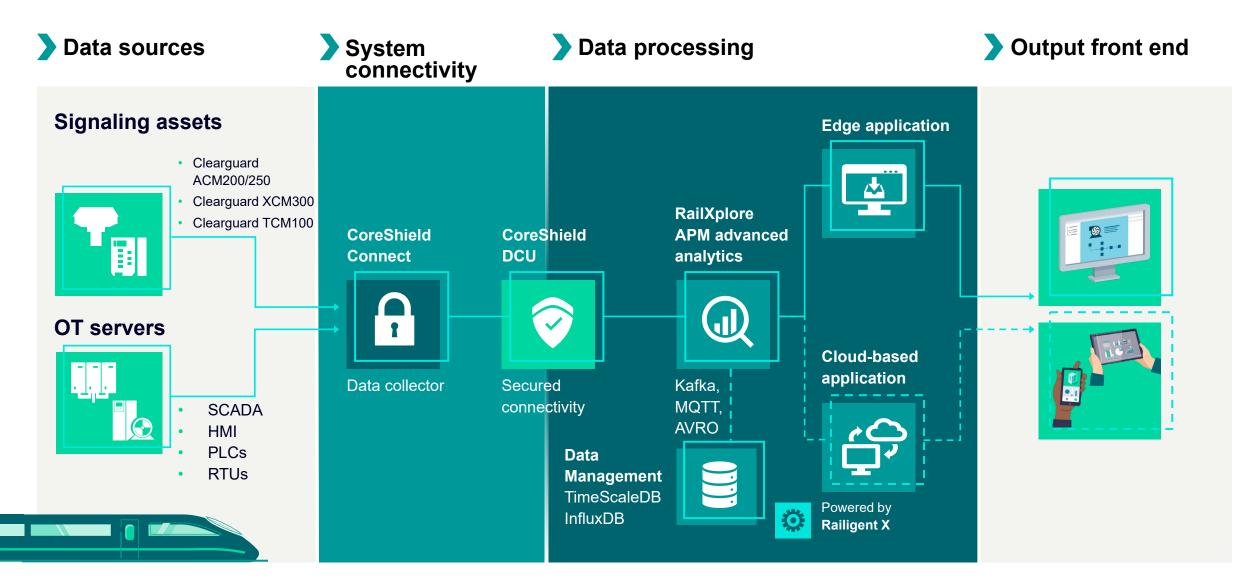
Line Documents

- Always up-to-date line documentation
- All the asset documentation available
- Configurable specific-project documentation
- Readable online on-site / protocols





System Architecture





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References

RailXplore APM monitors a segment of a metro line in Antwerp city since 2018.

Since 2019, **RailXplore APM** monitors Siemens TCM100 track circuit in Spain as a proof-of-concept as well as in China for the track vacancy detection system ACM200.

More main line and mass transit projects are requesting **RailXplore APM**:

- Guangzhou Line 1
- Milan Line 2
- Singapore Jurong Line



Contact

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